

User opens a first application window having a web page including at least one embedded object, on a client computer, the embedded object generating a first data message including: (i) a Segment ID identifying a measurement point/transducer, (ii) a static data request, (iii) a status data request.

Client computer transmits the first data message to a web computer server.

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Web computer server allocates RAM memory therein for a first communication session with a data acquisition computer server and sends a second data message to the data acquisition computer server including:

(i) a request for the first communication session, (ii) the Segment ID, and

(iii) a static data request.

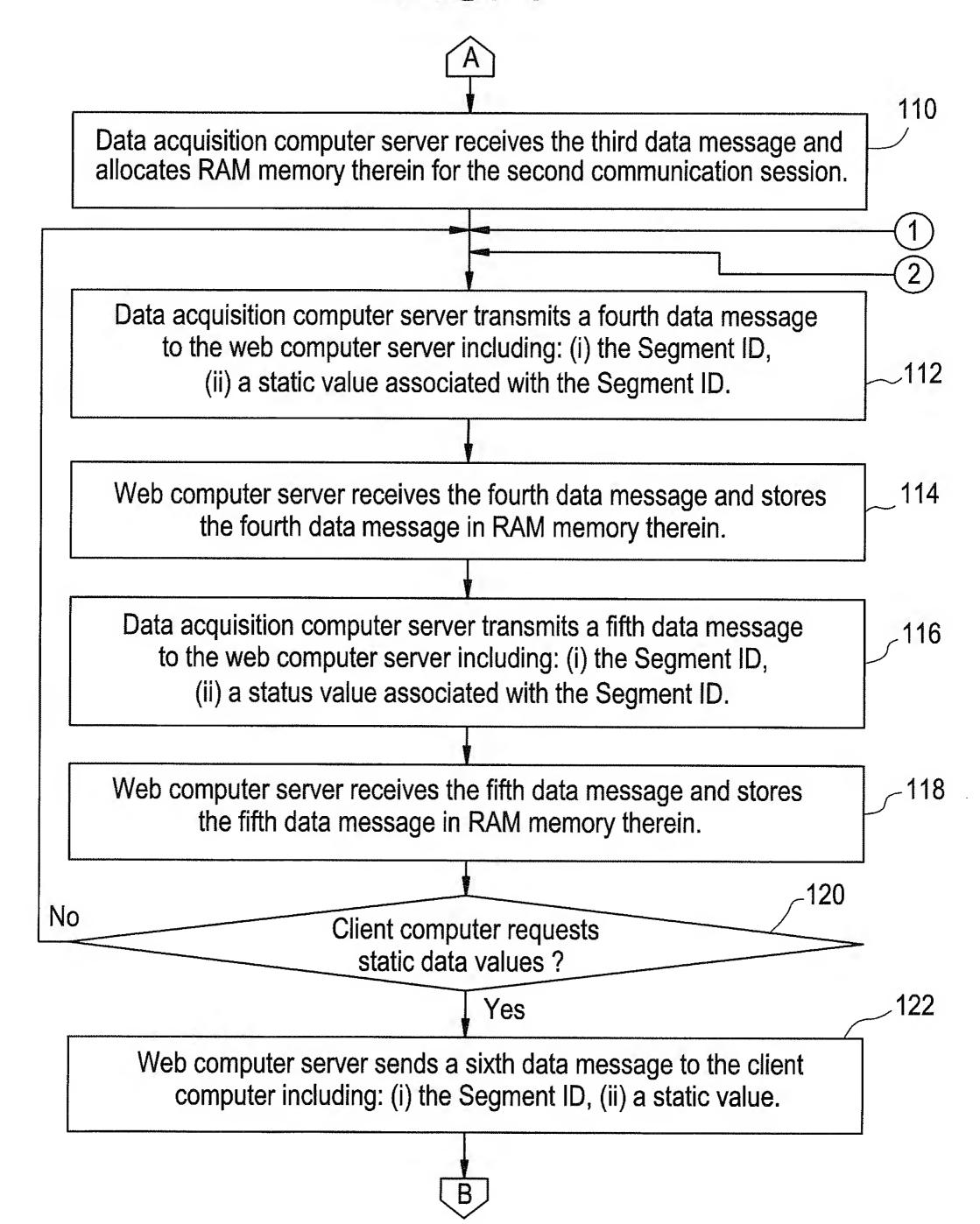
Data acquisition computer server receives the second data message and allocates RAM memory therein for the first communication session.

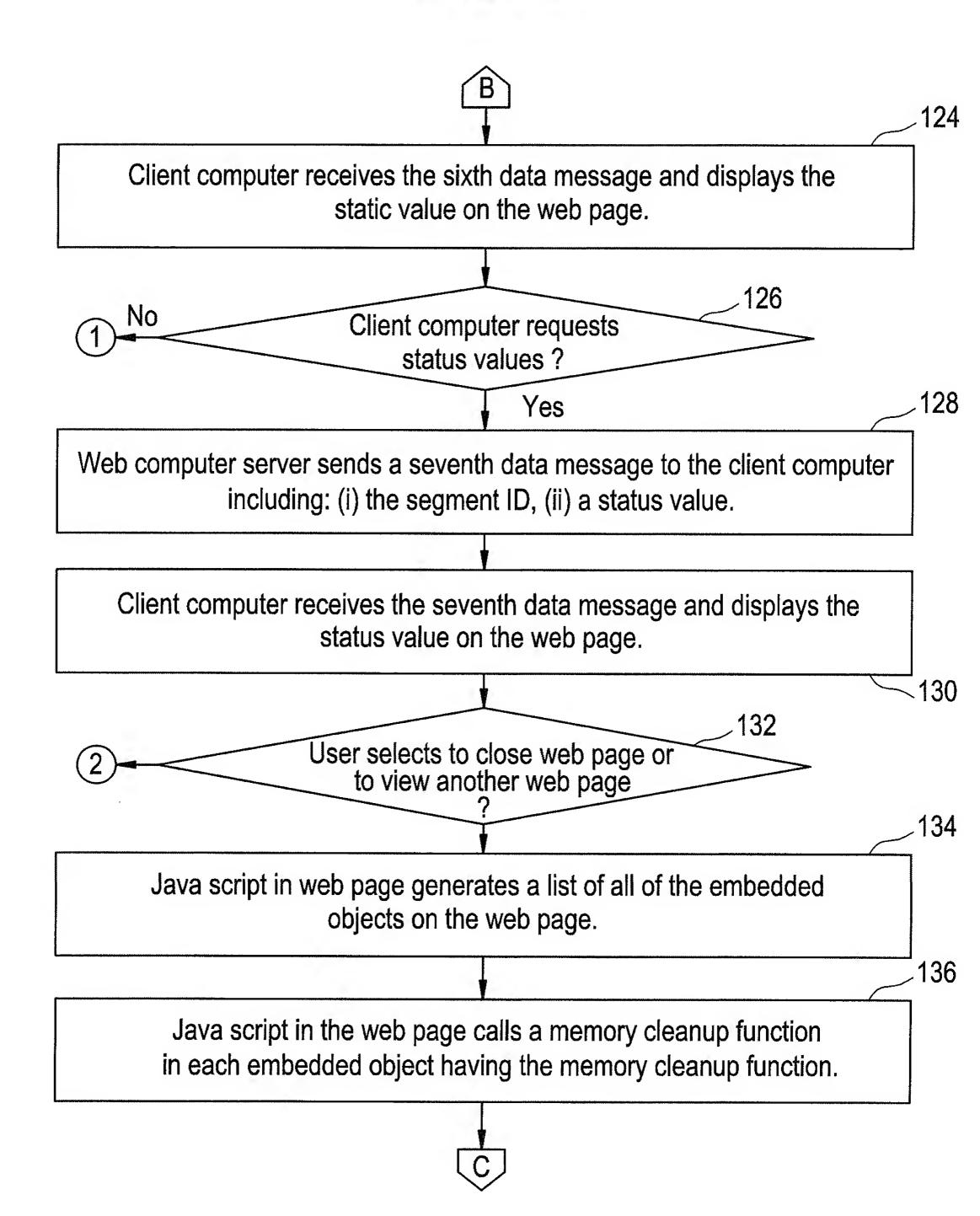
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Web computer server allocates RAM memory therein for a second communication session with the data acquisition computer server and sends a third data message to the data acquisition computer server including: (i) a request for the second communication session, (ii) the Segment ID, and (iii) a status data request.

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When the web computer server receives the eighth data message and no other object is requesting information related to a Segment ID, the web computer server: (i) sends a ninth data message to the data acquisition computer server requesting a termination of the first communication session (ii) sends a tenth data message to the data acquistion computer server requesting termination of the second communication session; and (iii) releases RAM memory therein associated with the first communication session and the second communication session.

Data acquisition computer server receives the ninth data message and releases RAM memory therein associated with the first communication session.

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Data acquisition computer server receives the tenth data message and releases RAM memory therein associated with the second communication session.

